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REPORT NO. 8

Cotton Fiber and Processing Test Results

CROP of

1972



Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38117 November 24, 1972

This is the eighth of a series of reports of fiber and processing test results from the 1972 cotton crop. Subsequent reports in this series will follow at approximately two-week intervals during the harvesting season, and will be summarized in a comprehensive report at the end of the season. This series will present data on the same subject as "Summary of Cotton Fiber and Processing Test Results, Crop of 1971", April 1972. These reports are published by the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, P. O. Box 17723, Memphis, TN 38117.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1972

Discussion of Test Results

Cotton testing laboratories of the Agricultural Marketing Service, USDA, report samples tested on short staple samples to date show fiber properties to be longer, finer, and stronger than last season. Picker and card waste is lower this year. Yarns spun from these samples show fewer imperfections. Average spinning potential yarn number is higher.

Averages for all medium staple samples tested through November 17, 1972 show stronger fiber than those tested through the same period last season. Yarns spun from these samples show fewer imperfections. Average spinning potential yarn number is higher than last season.

Medium staple samples tested from the Southeast are stronger than last season. Shirley Analyzer nonlint content is lower. Yarns spun from these samples are stronger. Yarn appearance grades were lower as compared to last season. Fewer imperfections were found in samples tested, to date, this season. Average spinning potential yarn number is higher.

Medium staple samples tested from the Southwest show fiber properties to be about the same as last season, except for weaker fiber strength at zero gage. Yarns spun from these samples show more imperfections than last season. Average spinning potential yarn number is higher than a year ago.

Medium staple samples tested from the West to date show fiber properties to be about the same as last year. Yarns spun from these samples are weaker and show fewer imperfections than last year. Average spinning potential yarn number is higher.

Averages for all long staple samples tested, to date, are stronger than through the same period a year ago. Shirley Analyzer nonlint content is lower, as is, picker and card waste. Comber waste is lower than a year ago. Yarns spun from these samples are stronger, with lower appearance grades and fewer imperfections than last season. Average spinning potential yarn number is higher.

Long staple samples tested from the Southeast are shorter and stronger than last season. Shirley Analyzer nonlint content is lower. Picker and card waste is lower than last season. Carded yarns spun from these samples have lower appearance grades and fewer imperfections. Average spinning potential yarn number is higher.

Couth Central long staple samples are shorter and stronger than through the same period last season. Shirley Analyzer nonlint content is lower. Picker and card waste is lower than a year ago. Carded yarns spun from these samples have lower appearance grades and fewer imperfections than last year. Combed yarns show fewer imperfections. Average spinning potential yarn number is higher.

Long staple samples from the West are about the same as last season. Carded yarns spun from these samples show lower appearance grades and more imperfections. Combed yarns also show more imperfections than last season. Average spinning potential yarn number is higher.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 17, 1972 1/

Staple group Area, and Crop year	Lots tested	Fiber test results							Processing test results					
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.		
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex	Skein str.		Appearance	Imperf- ections
				Inches			Pct.	Pct.				Index		
		No.								Lbs.	22s	Carded	Yarn	Yarn No.
Short Staple: Southwest														
1971	21	0.96	45	5.0	80	20	3.4	6.3	85	120	25	38		
1972	19	0.98	45	4.4	83	21	3.0	5.8	96	118	23	48		
Medium Staple: Southeast														
1971	44	1.08	45	4.4	79	22	3.5	6.4	101	110	21	62		
1972	42	1.09	45	4.3	83	23	2.9	6.0	105	104	16	68		
South Central														
1971	94	1.11	45	4.5	81	22	2.9	5.8	105	115	20	63		
1972	110	1.09	45	4.5	85	23	2.8	6.0	105	110	17	65		
Southwest														
1971	27	1.07	45	4.6	86	22	3.0	5.6	103	121	19	59		
1972	27	1.07	46	4.5	84	22	2.9	6.0	103	121	22	63		
West														
1971	23	1.11	45	4.3	93	25	2.4	4.9	120	120	22	68		
1972	23	1.11	45	4.4	92	25	2.3	5.2	116	121	15	70		
U.S. Average														
1971	188	1.10	45	4.5	83	22	3.0	5.8	106	115	20	63		
1972	202	1.09	45	4.4	86	23	2.7	5.8	107	114	18	66		
Significant dif- ference <u>2/</u>		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3		

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton: Averages of fiber and processing tests from selected gin points in the United States through November 17, 1972 1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results						Processing Test Results									
		Length Span		Unif	Mike	Strength Zero gage	SA Non- lint	P&C Waste	Comber Waste	Yarn Quality				SPY			
										Strength carded	combed	combed	Imprfctns card				
															combed	combed	combed
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.				
<u>Long Staple:</u>																	
Southeast																	
1971	11	1.15	43	4.3	80	23	4.4	9.6	17.0	105	121	108	118	23	10	66	
1972	12	1.12	43	4.4	86	24	3.7	8.6	17.1	107	124	101	116	20	9	69	
South Central																	
1971	2	1.21	42	4.5	84	24	4.8	9.4	15.4	114	130	110	110	20	11	70	
1972	3	1.17	45	4.3	89	24	4.1	8.6	15.6	117	133	103	113	16	8	75	
West																	
1971	4	1.19	44	3.8	93	27	2.3	8.0	14.9	132	148	102	100	21	15	80	
1972	6	1.18	45	3.8	92	26	2.4	7.0	15.1	130	149	93	101	24	12	86	
U. S. Average																	
1971	17	1.17	43	4.2	84	24	4.0	9.2	16.3	112	128	107	113	22	11	70	
1972	21	1.16	44	4.2	89	25	3.4	8.1	15.9	118	135	99	110	20	10	77	
<div>Array</div> <div>American Pima</div> <div>50's Combed Yarn</div>																	
<u>Extra Long Staple:</u>																	
West																	
1971	4	1.47	31	3.8	98	33	2.5	8.0	17.1	66			130	2			
1972	3	1.47	32	3.8	100	32	1.9	7.3	17.6	63			113	4			
Significant Difference <u>2/</u>																	
		0.02	2	0.2	2	1	0.5	0.5	0.5	4(22s)	4(22s)	5	5	2	2	3	
		4(22s) 2(50s)															

American Pima

Array

50's Combed Yarn

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification &				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number		Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Poten- tial			
No	Grade Name & Code	Stple	2.5% span		Unif	Zero Gage			1/8" Gage	Gra		Yel	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx	22sor 27 tx	8s or 74 tx		22sor 27 tx		
				32s	In		Pct	Rdg	Mpsi	G/tex	Pct	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No			
SOUTHWEST AREA																							
OKLAHOMA																							
ALTUS																							
1	MID LT SP	32	32	0.92	46	4.7	83	21	7.3	2.6	2	4	5.8	310	95	7.1	6.0	130	120	25	17	46	
LANKART 57																							
97 PERCENT																							
WESTERN AREA																							
NORTHWEST TEXAS																							
BURKBURNETT																							
1	MID LT SP	32	32	0.97	46	5.1	86	21	7.0	3.0	2	4	5.9	306	95	7.0	5.9	130	120	42	24	44	
LANKART LX-571																							
100 PERCENT																							
RULE																							
1	SLM	41	33	1.06	45	4.5	79	22	6.9	4.0	3	3	5.7	328	100	7.3	6.1	120	120	34	23	55	
LANKART LX 571																							
100 PERCENT																							

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent'ial	
				2.5% span	Unif.		Mpsi	G/tex			Pct	Pct		Gra	Yel	22s or 27 tx	50s or 12 tx	Pct	Pct	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEASTERN AREA																							
ALABAMA																							
CHEROKEE																							
2 LM	51	34	1.10	44		4.3	79	22	8.6	1.7	2	3	85 PERCENT	36	7.2	5.3	100	70	17	16	63		
DECATSVILLE																							
3 LM	51	35	1.14	43		3.8	89	24	6.7	2.5	3	2	100 PERCENT	45	6.3	4.7	100	80	20	13	77		
GERALDINE																							
1 SLM	41	33	1.02	47		4.9	87	22	7.0	1.7	2	3	100 PERCENT	27	5.5	3.7	100	80	10	7	58		
JEFF																							
3 LM	51	33	1.05	44		4.1	80	20	6.7	2.1	3	3	93 PERCENT	30	6.1	4.3	100	70	8	8	61		
MERIDIANVILLE																							
2 LM	51	33	1.10	44		4.2	78	20	7.9	2.7	3	3	75 PERCENT	33	6.8	4.9	110	80	12	9	64		
3 SLM LT SP	42	34	1.10	43		4.2	77	20	7.7	2.4	4	3	6.6	95	33	6.5	4.7	110	90	6	6	64	
TONEY																							
2 SLM	41	33	1.05	44		4.2	79	21	7.9	3.1	3	3	92 PERCENT	31	6.2	4.4	110	90	11	8	59		
TUSCUMBIA																							
2 LM	51	33	1.05	45		4.5	75	21	7.1	4.4	3	3	100 PERCENT	30	6.3	4.6	100	90	12	10	61		
TUSKEGEE																							
3 LM	51	34	1.10	44		4.1	80	22	8.5	2.0	3	2	99 PERCENT	38	6.6	4.9	100	80	10	8	71		
TYLER																							
3 LM	51	35	1.12	46		4.5	88	24	6.4	3.5	4	2	85 PERCENT	41	6.2	4.9	100	90	12	10	73		
GEORGIA																							
BOSTWICK																							
2 LM	51	33	1.02	46		4.8	89	21	6.4	3.2	3	3	100 PERCENT	28	5.6	3.7	120	90	12	8	59		
PINEHURST																							
3 LM	51	34	1.16	43		4.3	79	23	7.4	3.7	3	2	75 PERCENT	40	6.5	5.1	90	70	23	18	76		
SHELLMAN																							
3 SLM	41	35	1.06	45		4.5	84	22	7.9	2.5	3	3	80 PERCENT	35	6.7	4.7	110	90	9	5	63		

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	Name & Code	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pet	Pct		Gra	Yel	22s or 27 tx	Lbs	22s or 27 tx	Pct	50s or 12 tx	22s or 27 tx		50s or 12 tx
SOUTHEASTERN AREA-- (Continued)																							
SOUTH CAROLINA																							
CALHOUN FALLS																							
1 LM	51	35	1.11	46	4.2	4.2	90	23	7.0	5.5	3	2	8.2	116	43	6.7	5.2	110	90	16	13	75	
2 LM	51	35	1.09	48	4.2	4.2	85	26	6.6	4.4	2	2	7.2	114	41	6.4	4.6	100	90	12	9	73	
ST. MATTHEWS																							
3 SLM	41	35	1.07	45	3.8	3.8	81	23	7.5	3.7	2	2	6.6	105	39	6.8	5.4	110	80	12	13	69	
4 LM	51	35	1.13	45	4.1	4.1	80	22	7.0	2.9	2	3	6.3	108	40	6.8	5.5	100	70	22	17	68	
YORK																							
2 LM	51	35	1.13	46	3.8	3.8	86	26	7.3	3.5	3	3	6.3	123	48	6.7	5.3	100	80	13	9	76	
SOUTH CENTRAL ARKANSAS																							
BAY																							
3 LM	51	34	1.07	44	4.1	4.1	84	22	5.8	3.9	4	2	6.6	97	32	5.4	3.7	110	90	22	17	55	
GRADY																							
2 SLM	41	34	1.13	45	4.8	4.8	88	24	6.9	2.2	2	2	5.6	109	41	6.0	4.4	120	100	17	12	61	
HELENA																							
2 LM	51	34	1.09	44	4.4	4.4	80	23	6.5	4.3	2	2	7.1	100	37	5.9	4.4	120	90	18	14	63	
HUGHES																							
3 SLM	41	34	1.06	45	4.7	4.7	84	22	5.7	2.5	3	3	5.8	93	30	5.5	3.5	120	100	15	12	55	
LEACHVILLE																							
3 LM	51	34	1.07	44	4.0	4.0	84	23	6.3	3.8	4	2	6.6	97	35	6.1	4.4	120	90	27	18	56	
LEACHVILLE																							
3 LM	51	34	1.10	46	4.3	4.3	86	21	5.4	3.0	3	2	7.0	89	31	5.0	3.6	120	80	22	16	55	
PARKIN																							
2 LM	51	34	1.06	43	4.4	4.4	82	22	6.2	3.7	5	3	7.9	94	33	5.1	3.6	120	90	18	13	60	
WILSON																							
3 LM	51	34	1.10	44	3.8	3.8	85	23	7.0	3.3	4	2	6.4	106	39	6.3	4.7	120	100	14	10	63	

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										
No	Grade	Stple	32s	In	Pet	Dig Fibrograph	Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
								2.5% span	Unif.			Zero	1/8" Gage		Gra	Yel	22s or 27 tx	Lbs	Pct	22s or 27 tx	Pct	22s or 27 tx		50s or 12 tx
SOUTH CENTRAL AREA--(Continued)																								
LOUISIANA																								
LAFAYETTE		41	35	1.10	44	4.9	87	STONEVILLE 213		23	5.4	2.0	2	2	5.8	92	32	5.5	3.6	120	90	14	10	57
LAKE PROVIDENCE		41	34	1.10	47	4.4	85	STONEVILLE 213		24	6.7	3.8	2	2	6.4	111	44	6.0	4.5	120	100	22	17	63
NEWELLTON		51	35	1.06	45	4.6	87	STONEVILLE 213		22	6.0	2.6	2	3	6.1	99	34	5.2	4.0	120	100	19	15	57
OPELOUSAS		41	34	1.07	45	4.2	83	DELTAPINE 45A		22	6.9	2.8	3	3	6.1	95	34	5.9	4.3	120	90	17	12	60
SHREVEPORT		41	34	1.09	44	4.0	86	DELTAPINE 16		22	7.0	2.0	2	2	5.0	102	37	6.0	4.4	130	100	14	12	63
WATERPROOF		41	35	1.11	46	4.4	85	DELTAPINE 16		23	7.0	3.1	2	2	5.5	107	41	5.9	4.4	120	90	19	13	60
MISSISSIPPI		51	35	1.08	46	4.8	84	DELTAPINE 16		24	8.3	4.6	2	2	7.2	111	39	6.9	5.2	110	90	9	7	72
BELZONI		51	35	1.12	46	4.7	80	STONEVILLE 213		22	7.5	3.2	3	2	7.2	104	37	6.4	4.8	110	90	7	7	68
CLARKSDALE		51	35	1.10	46	5.0	83	STONEVILLE 213		23	6.6	3.5	2	3	7.2	99	33	6.3	4.6	100	90	14	9	62
EDWARDS		41	35	1.10	45	4.3	83	STONEVILLE 213		23	7.3	1.6	2	2	5.5	107	38	6.5	4.9	110	90	9	7	71
GREENWOOD		41	34	1.04	45	4.6	86	STONEVILLE 213		22	6.9	2.5	2	2	7.3	100	32	6.0	4.1	100	80	14	12	60
HERNANDO		41	35	1.06	45	3.9	83	DELTAPINE 16		23	7.3	3.0	1	3	6.1	110	38	6.9	5.1	100	70	15	12	62
INDIANOLA		41	34	1.12	44	4.6	83	DELTAPINE 16		25	7.6	2.4	1	2	7.0	110	40	6.5	4.8	100	90	12	8	71
INDIANOLA		51	34	1.06	45	4.3	96	DIXIE KING III		24	6.1	3.4	3	2	8.1	110	38	5.6	4.0	90	70	21	17	69

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Stple	32s	In	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect's		Spin. Potent'ial
					2.5% span	Unif.		Zero	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	Pct	Lbs	Lbs	Pct	22s or 27 tx	50s or 12 tx	
SOUTH CENTRAL AREA--(Continued)																							
MISSISSIPPI--(Continued)																							
LELAND																							
3	SLM		41	34	1.09	44	4.8	85	24	6.4	2.8	2	3	6.7	103	34	6.0	4.3	110	90	9	8	63
LYCN																							
2	LM		51	34	1.09	45	4.9	82	22	7.0	3.2	2	3	7.4	94	30	5.8	4.2	100	80	10	10	60
MORTON																							
2	SLM		41	34	1.10	44	4.5	84	22	8.7	2.5	2	3	5.6	99	34	6.3	4.8	120	90	10	6	69
PANTHER BURN																							
2	SLM		41	35	1.12	44	4.1	87	23	8.0	2.2	1	2	5.9	113	42	7.1	5.5	100	80	9	9	75
SARDIS																							
2	LM		51	34	1.09	44	4.2	81	23	7.0	3.7	2	3	7.3	101	35	6.5	4.7	100	80	12	11	68
SCOTT																							
2	SLM		41	35	1.13	44	4.3	82	24	8.0	2.6	1	2	6.4	111	40	6.9	5.5	100	80	13	12	74
TRIBBETT																							
3	LM		51	34	1.07	42	4.1	97	21	5.7	3.9	3	2	7.5	96	30	5.6	3.8	90	70	13	13	61
TUNICA																							
3	SLM		41	35	1.10	44	4.4	85	23	7.6	2.5	2	2	6.1	101	36	6.3	4.6	100	70	13	10	67
WATER VALLEY																							
3	SLM		41	35	1.10	42	4.0	76	22	8.5	2.5	1	2	5.3	106	37	7.2	5.4	110	80	11	9	69
MISSOURI																							
BELL CITY																							
1	SLM		41	34	1.05	45	4.1	74	20	8.0	2.3	3	3	6.0	94	33	6.6	4.8	90	70	14	13	61
SENATH																							
3	LM		51	34	1.06	43	3.6	81	22	6.8	2.5	3	3	6.1	100	33	6.6	4.4	100	70	15	14	63
SENATH																							
3	SLM		41	34	1.08	44	4.1	82	22	8.7	1.8	2	3	5.6	103	35	7.1	5.3	90	70	15	15	66

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns											
Grade		Stple	32s	In	Pet	Digitial Fibrograph	Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent- ial		
No	Name & Code							Zero Gage	1/8" Gage			Gra	Yel		22s or 27 tx	50s or 12 tx	Pct	Pct	22s or 27 tx	50s or 12 tx	No	No		No	No
SOUTH CENTRAL AREA-- (Continued)																									
TENNESSEE																									
BOLIVAR																									
2	SLM	41	34	1.05	45	4.3	79	21	7.2	3.1	3	3	3	85 PERCENT	35	6.5	5.0	100	70	22	3	63			
CLARKSBURG																									
1	SLM	41	34	1.04	46	4.3	79	20	6.8	2.3	3	3	3	85 PERCENT	31	6.1	4.2	110	100	10	7	60			
FAYETTEVILLE																									
2	SLM LT SP	42	34	1.03	43	4.4	82	20	7.4	2.3	3	4	4	70 PERCENT	31	6.3	4.4	100	80	12	12	60			
SOUTHWEST AREA																									
CENTRAL TEXAS																									
NAVASOTA																									
3	SLM LT SP	42	35	1.14	43	4.4	78	22	7.1	3.2	3	3	3	95 PERCENT	37	5.9	4.5	120	90	18	15	65			
WESTERN ARIZONA																									
BUCKEYE																									
1	SLM	41	35	1.13	44	5.1	86	24	6.1	2.9	2	2	2	100 PERCENT	40	6.0	4.6	120	100	14	10	63			
CALIFORNIA																									
BAKERSFIELD																									
2	SLM	41	36	1.13	46	4.3	97	27	5.7	3.1	2	3	3	100 PERCENT	50	5.7	4.4	130	100	10	6	75			
BAKERSFIELD																									
2	SLM	41	36	1.17	46	4.6	94	25	5.9	3.0	1	2	2	100 PERCENT	51	5.7	4.6	120	100	10	7	84			
CHOWCHILLA																									
1	MID	31	36	1.11	46	4.4	97	27	5.3	2.0	1	3	3	100 PERCENT	53	5.8	4.6	130	100	14	11	77			
CORCORAN																									
2	SLM	41	36	1.11	47	4.1	98	26	5.1	2.3	2	2	2	100 PERCENT	49	5.5	4.4	120	100	17	14	79			
DOS PALOS																									
1	MID	31	36	1.11	46	4.4	96	27	5.4	1.9	1	3	3	100 PERCENT	51	5.7	4.4	120	100	11	9	78			
EARLIMART																									
1	MID	31	35	1.08	45	4.2	101	27	4.9	2.2	1	3	3	100 PERCENT	43	5.0	4.1	120	90	20	14	61			

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1972

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
Sample Number		Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Poten- tial	
No	Grade & Code			2.5% span	In		Pct	Rdg			Mpsi	G/tex		Pct	Pct	Gra	Yel	Pct	Pct	Lbs	Lbs		22s or 27 tx
WESTERN AREA--(Continued)																							
CALIFORNIA--(Continued)																							
HANFORD																							
1	MID	31	36	1.12	45	4.3	94	ACALA SJ-1	26	5.1	1.9	1	3	5.0	125	49	5.2	4.2	120	90	15	15	72
HURON																							
1	MID	31	35	1.09	45	4.5	90	ACALA SJ-1	25	5.6	2.7	1	3	5.2	114	43	5.0	3.8	120	90	20	15	62
VISALIA																							
1	MID	31	35	1.10	46	4.4	96	ACALA 4-42	27	5.6	1.9	1	3	4.1	128	50	5.6	4.6	120	100	15	11	80
WASCO																							
1	MID	31	35	1.08	47	4.5	97	ACALA 4-42	26	5.7	2.5	1	3	5.1	126	49	5.5	4.3	120	100	11	10	70
WASCO																							
2	SLM	41	36	1.13	47	4.2	96	ACALA SJ-1	26	5.5	2.4	1	3	4.0	124	50	6.1	4.7	120	100	14	10	78

